

## Abstract

The present invention relates to a device (1) for transmitting or receiving electromagnetic waves in a cavity (3), where the device comprises a loop (10) and a dielectric part (9) that houses at least a first end part (11) of the loop. The dielectric part comprises a first recess (37) designed to receive a means (30) for setting the capacitance between the loop and an earthed cavity housing (5), cover (6) or casing (2) for electric and/or electronic components. The invention also relates to a method for manufacturing the device, a method for manufacturing the loop, a cavity filter (4) and the casing.

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